

PATENT ABSTRACTS OF JAPAN

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(21)Application number : 01-292078 (71)Applicant : KONICA CORP
(22)Date of filing : 08.11.1989 (72)Inventor : NAKAJIMA JO
TOBISAWA SEIICHI
NAMIKI TAKEMASA
KAWABE SHIGEHISA
YASUFUKU YOSHITAKA

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(54) COATING METHOD AND APPARATUS

(57)Abstract:

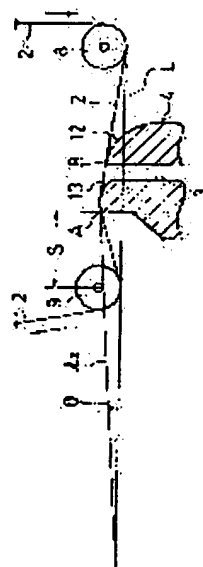
PURPOSE: To uniformize the thickness of a film and to perform high speed coating even at the time of using high viscosity material by setting the angle formed by the connection line of the surfaces of guide means on the upstream and downstream sides on the side of a coater head and the tangential line at the downstream end of a back edge surface of the coater head to a specific angle between said guide means at the time of coating.

CONSTITUTION: A coating solution is continuously extruded to the surface of the support 2

continuously running along the front and back edge surfaces 12, 13 of a coater head 4 from the slit 3 provided between the front and back edge surfaces 12, 13 to be applied to the surface of the support

2. Original guide means 8, 9 for guiding the support 2 are respectively arranged on the upstream and downstream sides of the coater head

4. At the time of coating, the angle θ formed by the line L connecting the surfaces of the guide means 8, 9 on the side of the coater head 4 and the tangential line 12 at the downstream end A of the back edge surface 13 is set to $-5^\circ \leq \theta \leq 10^\circ$ between the guide means 8, 9. As a result, coating can be performed at a high speed in a uniform film thickness even at the time of using high viscosity material.



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